

CLAIMS

1. A siloxane resin comprising the units:

- 5 (i) $(R^1_3SiO_{1/2})_a$
 (ii) $(R^2_2SiO_{2/2})_b$
 (iii) $(R^3SiO_{3/2})_c$, and
 (iv) $(SiO_{4/2})_d$

wherein

- 10 R^1 , R^2 , and R^3 are independently an alkyl group having from 1 to 8 carbon atoms,
 an aryl group, a carbinol group, or an amino group,
 a has a value 0.05 to 0.5,
 b has a value of zero to 0.3,
 c has a value greater than zero,
 15 d has a value of 0.05 to 0.6,
 the value of $a + b + c + d = 1$,

with the proviso that greater than 40 mole % of the R^3 groups in the siloxane resin are propyl.

2. The siloxane resin of claim 1 wherein the siloxane resin is selected from

20 MQ-T propyl resins comprising the units;

- $((CH_3)_3SiO_{1/2})_a$,
 $(R^3SiO_{3/2})_c$, where $R^3 = CH_3CH_2CH_2-$, and
 $(SiO_{4/2})_d$

MQ-T propyl resins comprising the units;

- 25 $((CH_3)_3SiO_{1/2})_a$,
 $((CH_3)_2SiO_{2/2})_b$,
 $(R^3SiO_{3/2})_c$, where $R^3 = CH_3CH_2CH_2-$, and
 $(SiO_{4/2})_d$

MQ-T propyl resins comprising the units;

- 30 $((CH_3)_3SiO_{1/2})_a$,
 $((CH_3)_2SiO_{2/2})_b$, $((CH_3)(C_6H_5)SiO_{2/2})_b$,

$(R^3SiO_{3/2})_c$, where $R^3 = CH_3CH_2CH_2-$, and
 $(SiO_{4/2})_d$

MQ-T propyl resins comprising the units;

$((CH_3)_3SiO_{1/2})_a$,

$((CH_3)_2SiO_{2/2})_b$,

$(R^3SiO_{3/2})_c$, where $R^3 = CH_3CH_2CH_2-$, and $(C_6H_5SiO_{3/2})_c$
 $(SiO_{4/2})_d$

MQ-T propyl resins comprising the units;

$((CH_3)_3SiO_{1/2})_a$,

$((CH_3)_2SiO_{2/2})_b$, $((CH_3)(C_6H_5)SiO_{2/2})_{b'}$,

$(R^3SiO_{3/2})_c$, where $R^3 = CH_3CH_2CH_2-$, $(C_6H_5SiO_{3/2})_c$, and
 $(SiO_{4/2})_d$

wherein a has a total value in the resin of 0.05 to 0.5, the sum of b + b' has a total value in the resin of zero to 0.3, c has a total value in the resin of 0.05 to 0.65, and d has a total value in the resin of 0.05 to 0.6.

3. A method of making a siloxane resin comprising reacting:

A) a MQ resin comprising at least 80 mole % $(R^1_3SiO_{1/2})_a$ and $(SiO_{4/2})_d$ units

where R^1 is an alkyl group having from 1 to 8 carbon atoms, an aryl group,

a carbinol group, or an amino group,

a and d has a value greater than zero, and

the ratio of a/d is 0.5 to 1.5;

and

B) a T propyl resin comprising at least 80 mole % R^3SiO units,

where R^3 is an alkyl group having from 1 to 8 carbon atoms,

an aryl group, a carbinol group, or an amino group,

c has a value greater than zero,

and with the proviso that at least 40 mole % of the R^3 groups are propyl,

wherein the weight ratio of A/B is from 95:5 to 15:85.

4. A siloxane resin prepared by the method of claim 3.

5. A personal care product comprising the siloxane resin of claim 1 or 4.
6. The personal care product of claim 5, where the personal care product is a cosmetic
5 product.
7. The personal care product of claim 5, where the personal care product is a hair care
product.